

WHAT IS CLAIMED IS:

1. A chassis component forming a part of a chassis, the chassis component comprising:

5 a panel having an aperture formed therein;
the aperture operable to maintain access to a computer component, the computer component having a bracket;

10 a frame formed adjacent the aperture and operable to receive a portion of the bracket;

a retaining clip movably coupled to the frame such that the retaining clip moves between an engaged position and a disengaged position;

15 the retaining clip oriented and designed to permit airflow through the frame; and

a spring member operably extending from a portion of the retaining clip, the spring member operably engages the bracket to secure the computer component to the chassis component in the engaged position and operably
20 permits removal and installation of the computer component in the disengaged position.

2. The chassis component of Claim 1, wherein the retaining clip further includes a cross section design
25 having a low profile that is oriented with respect to the chassis component, the cross section design operable to reduce airflow restriction around the retaining clip as airflow moves through the frame.

3. The chassis component of Claim 1, wherein the retaining clip is made of plastic, metal or a combination thereof.

5 4. The chassis component of Claim 1, further comprising:

a guide slot formed along one side of the frame; and
a guide rail formed on the retaining clip, the guide rail operably slidable within the guide slot when the
10 retaining clip moves between the engaged position and the disengaged position.

5. The chassis component of Claim 1, further comprising a tab formed on the retaining clip, the tab
15 operably prevents the retaining clip from moving to the engaged position if the portion of the bracket in the frame is out of position.

6. The chassis component of Claim 1, further
20 comprising a dimple formed in the frame, the dimple operable to engage a screw slot formed on the bracket.

7. The chassis component of Claim 1, further comprising a vent hole formed on one side of the frame,
25 the vent hole operably provides airflow through the chassis component.

8. The chassis component of Claim 1, further comprising a chamfer formed on one edge of the frame, the chamfer operable to allow the retaining clip to move to a retracted orientation while in the disengaged position.

5

9. The chassis component of Claim 1, further comprising a finger pull formed on the retaining clip, the finger pull operably permits movement of the retaining clip without tools by a user.

10

10. The chassis component of Claim 1, further comprising:

a notch formed on the frame; and

a pin formed on the retaining clip, the pin operably
15 interacts with the notch when the retaining clip is moved
to the engaged position such that the retaining clip
resist movement in lateral directions.

11. An information handling system, comprising;
a chassis forming part of the structure of the
information handling system, the chassis including a
chassis component, comprising:

- 5 a panel having an aperture formed therein;
 the aperture operable to maintain access to a
computer component, the computer component having a
bracket;
- a frame formed adjacent the aperture and
10 operable to receive a portion of the bracket;
- a retaining clip movably coupled to the frame
such that the retaining clip moves between an
engaged position and a disengaged position;
- the retaining clip oriented and designed to
15 permit airflow through the frame; and
- a spring member operably extending from a
portion of the retaining clip, the spring member
operably engages the bracket to secure the computer
component to the chassis component in the engaged
20 position and operably permits removal and
installation of the computer component in the
disengaged position;
- a printed circuit board having a computer component
slot, the computer component slot operable to
25 electrically couple the computer component to the printed
circuit board;
- at least one processor operably coupled to the
printed circuit board; and
- a memory operably coupled to the processor and the
30 printed circuit board.

12. The information handling system of Claim 11;
wherein the computer component comprises a peripheral
component interface (PCI) card and the computer component
5 slot comprises a PCI card slot.

13. The information handling system of Claim 11,
wherein the chassis further includes a cover plate
operably coupled to a side of the chassis adjacent the
10 chassis component such that the cover plate, when coupled
to the chassis, prevents the retaining clips from moving.

14. The information handling system of Claim 11,
further comprising a system fan associated with the
15 chassis, the system fan operable to generate airflow
through the information handling system for ventilation
such that a portion of airflow move through the frame.

15. The information handling system of Claim 11,
20 further comprising a vent hole formed in the frame, the
vent hole operably provides passage of airflow through
the frame of the chassis component.

16. The information handling system of Claim 11,
25 wherein the retaining clip further includes a low profile
cross section operable to reduce airflow restriction of
air moving around the retaining clip through the frame.

17. The information handling system of Claim 11,
further comprising:

a guide slot formed along one side of the frame; and
a guide rail formed on the retaining clip, the guide
5 rail operably slidable within the guide slot when the
retaining clip moves between the engaged position and the
disengaged position.

18. The information handling system of Claim 11,
10 wherein the retaining clip and frame are sized to receive
two or more brackets from respective computer compents.

19. A chassis component for securing a computer component, comprising:

5 a frame forming a portion of a chassis component, the frame operably receives a portion of bracket from a computer component;

a retaining clip having a spring member, the retaining clip movably coupled to the frame such that the retaining clip moves between an engaged position and a disengaged position;

10 the spring member operably engages the bracket to secure the computer component to the chassis component in the engaged position and operably permits removal and installation of the computer component in the disengaged position;

15 a guide slot formed along one side of the frame; and a guide rail formed on the retaining clip, the guide rail operably slidable within the guide slot when the retaining clip moves between the engaged position and the disengaged position.

20

20. The chassis component of Claim 19, further comprising:

a notch formed on the frame; and

25 a pin formed on the retaining clip, the pin operably interacts with the notch when the retaining clip is moved to the engaged position such that the retaining clip resist movement in lateral directions.

21. The chassis component of Claim 19, further comprising a finger pull formed on the retaining clip, the finger pull operably permits movement of the retaining clip without tools by a user.

5

22. The chassis component of Claim 19, further comprising a tab formed on the retaining clip, the tab operably prevents the retaining clip from moving to the engaged position if the portion of the bracket in the frame is out of position.

10

23. The chassis component of Claim 19, wherein the frame is sized to receive a portion of two or more brackets such that the spring member engages the two or more brackets to secure the computer component to the chassis component.

15